

Title (en)

METHOD FOR LAPPING CONICAL SURFACES, AND LAPPING DEVICE FOR CARRYING OUT THIS METHOD

Publication

**EP 0143049 A3 19861203 (FR)**

Application

**EP 84402306 A 19841113**

Priority

FR 8318401 A 19831118

Abstract (en)

[origin: EP0143049A2] 1. A method of lapping conical surfaces wherein friction is produced between a plane abrasive surface (3) and the conical surface (S1 ) of at least one member (P1 ) having a principal axis of symmetry (AS1 ) in accordance with which it fixed to a support (2) for members, the abrasive surface (3) being moved in a mean given direction (A and A1 ) in relation to the member (P1 ) and, in contact with the conical surface (S1 ) admitting as the axis of revolution the principal axis of symmetry (AS1 ) of the member (P1 ), characterized in that, the member being mounted free in rotation around its principal axis (AS1 ) of symmetry, the method consists in displacing the member (P1 ) circularly around a first axis (5) which is substantially perpendicular to the plane of the abrasive surface (3) and which coincides with the axis of symmetry of the support (2) in such a manner as to continuously modify an angle of friction ( $\alpha$  5 ) formed between the generatrix (G1 ) in contact with the abrasive surface (3) and the mean direction (A and A1 ) of the latter, and permitting, under the effect of the friction with the surface (3), the rotation of the member (P1 ) around its principal axis (AS1 ) of symmetry at variable speeds and in alternating directions, as a function of the positions of the member (P1 ) in relation to the first axis (5).

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IPC 8 full level

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CPC (source: EP)

**B24B 1/00** (2013.01); **B24B 5/14** (2013.01); **B24B 5/36** (2013.01); **B24B 37/02** (2013.01)

Citation (search report)

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